Department of Plant Sciences General Risk Assessment Ref no.	Name: Ocean Haghighi-Daly	
	Supervisor: Prof. Jim Haseloff	
	Group: iGEM Team	Areas covered:

Do not be restricted by the size of the form; add additional lines as required. Working outside the EU will require a more detailed assessment.

Risk level (likelihood × harm)

	Slight Harm	Harmful	Very Harmful
Unlikely	*Very Low*	*Low*	*Medium*
Likely	*Low*	*Medium*	*High*
Very likely	*Medium*	*High*	*Very High*

Describe the work activity, experiment or area under assessment.

Dichroic mirrors (glass) cut to size for use in fluorescence microscope, using a hand-held glass cutter

List the significant hazards.[1] (add more rows as necessary)	Describe what could go wrong – that is, say who might be hurt and how.[2]	Initial Risk level	Please list the existing and/or intended control measures which will reduce the likelihood of all this happening.[4]	Risk Level after measures are applied	Suggest here any further actions which may be beneficial. Say who will carry them out and by when.
Glass fragment entering eye	The person operating the glass-cutter and people nearby may be exposed to glass fragments	Medium	All members of the team nearby, including the person cutting the glass, are to wear standard laboratory goggles	Low	If any glass fragments enter eyes, ambulance will be called immediately
Glass cutting hands/fingers	The sharp edges of the cut mirror may harm hands of the individual handling the samples	Low	The individual handling the sample is to wear two layers of laboratory gloves	Very Low	Standard procedure for minor injuries, first aiders notified, bandages applied as appropriate

Glass-cutter injuring hands/fingers	The sharp cutting apparatus may harm the hands of the individual cutting the sample	Low	The individual handling the sample is to wear two layers of laboratory gloves	Very Low	Standard procedure for minor injuries, first aiders notified, bandages applied as appropriate
Glass fragments dispersed in lab	Small glass fragments may disperse across the lab on the bench top/floor. These may cause harm to unprotected individuals	Low	The mirror cutting is to be carried out in a high-sided tray to prevent fragments escaping, and the surrounding area cleaned after completion	Very Low	Standard procedure for minor injuries, first aiders notified, bandages applied as appropriate

Important! It is essential to check regularly that control measures specified in this risk assessment document are actually being used in practice. All specialist emergency and first aid procedures should be specified here.

- If glass enters the eye of an individual, the emergency services will be called immediately (999 Emergency Ambulance)
- First aiders are on hand in the lab

If any Standard Operating Procedures (SOPs) or additional risk assessments are required, please list here and attach them to this form. Any specialist training required should also be specified here

Are special health considerations required? (e.g. hearing test, eye test, health surveillance, immunisation) If so, please enter details and contact the University Occupational Health Service.

Please complete this section to confirm that this constitutes a suitable and sufficient assessment of risk.

Name of assessor: **B. Landamore**	Signature:	Date: 10/09/15	Name of supervisor: **J. Haseloff**	Signature:	Date: 10/09/15

This assessment should be reviewed regularly (usually every 12 months), or earlier if there is a material change to the process, the equipment, location or relevant safety technologies. It should also be reviewed when new people are involved, or after an accident or incident has taken place.

Reviewed by (name)	Signature	Date	Indicate changes here add sheets if necessary

[1] A list of hazards is provided here, this is not exhaustive. Hazards should be eliminated or reduced if possible. Hazards in **bold** will also need an additional, more technical assessment on a specialist form - please ask your Supervisor, Departmental Safety Manager or the University Health and Safety Office for further advice.
High pressures. **Chemical hazards**. **Biological hazards. Genetically Modified Organisms**. **Ionising radiations**. **Lasers.** Sharp objects. **Dusts.** Work at heights. **Animal houses**. Magnetic fields. Machinery hazards. Electricity. **Manual Handling.** Noise. Vibration. Falling objects. Collapsing structures. Flooding. Slips, trips and falls. Asphyxiant gases **Flammable gases**
Field work specific: Travel arrangements. Environmental considerations. Local issues. Health Issues. Climate (Sun/temp etc*)*

[2] Explain how an accident, incident or health condition could arise. We must consider all events which are *reasonably foreseeable*.

[3] See the health and safety risk assessment handbook for further guidance on levels of risk.

[4] When deciding on suitable control measures, ensure that you are complying with all relevant University policy and guidance documents, and that you have considered the hierarchy of control measures. In order to comply with legislation, we must also take all steps which are 'reasonably practicable' to reduce risk. This means that we should take all steps which are (in terms of time, cost and trouble) reasonable in relation to the reduction of risk achieved.

[5] The risk level varies according to the area you are visiting and the time you will spend there .Add emergency contacts relevant to that risks posed, e.g Police, British Embassy/Consulate. Ambulance. Fire. Add your contact details, your supervisor and anyone you want to be contacted in an emergency.

[6] If changes are extensive, you will need to complete a whole new form, or attach a written amendment. If there are no changes say so